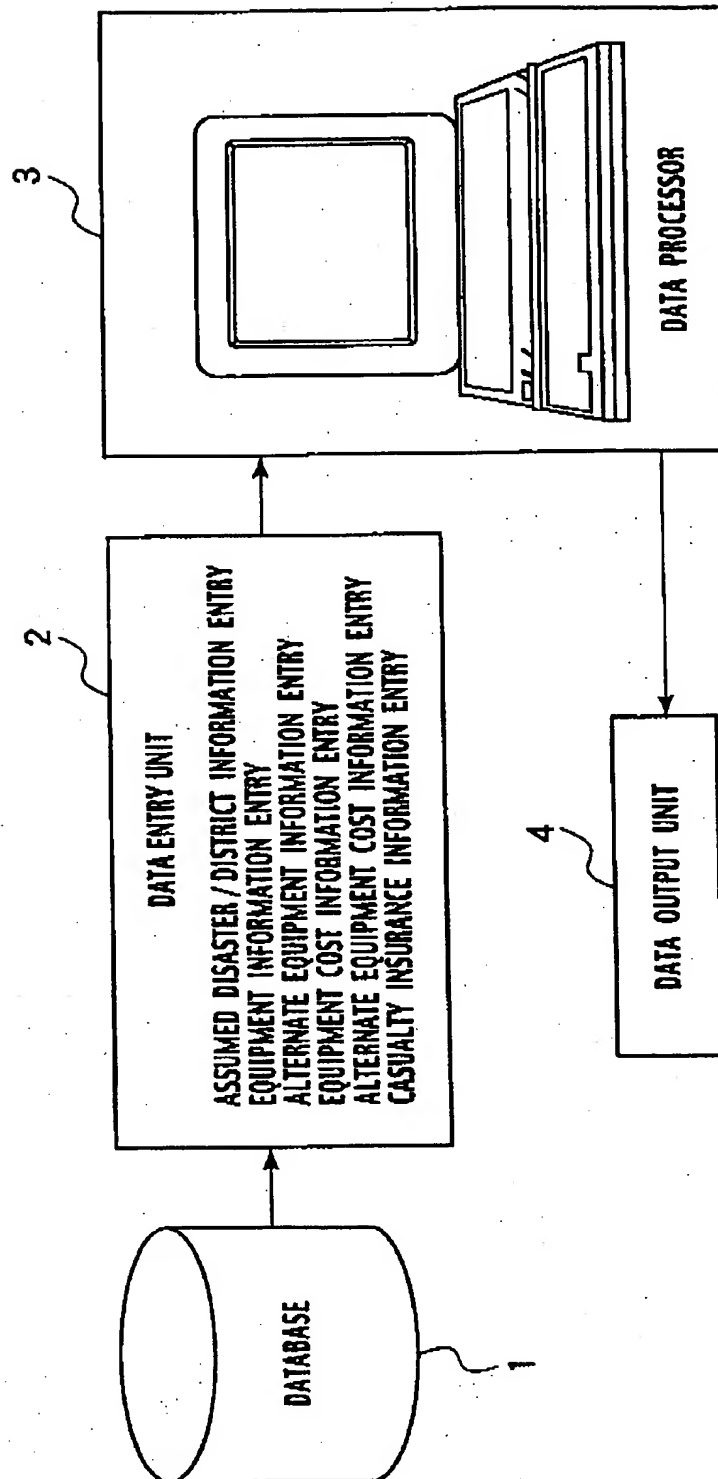


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FIG. 1



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FIG. 2A

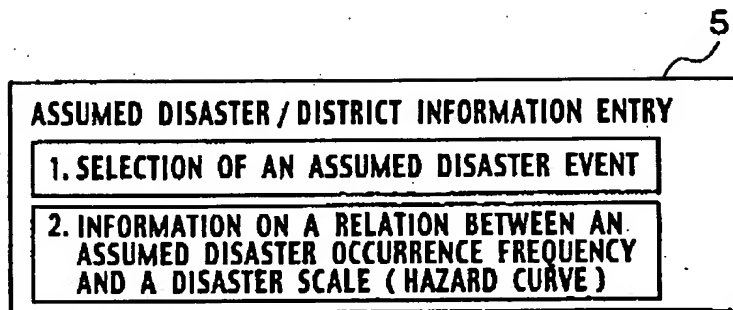


FIG. 2B

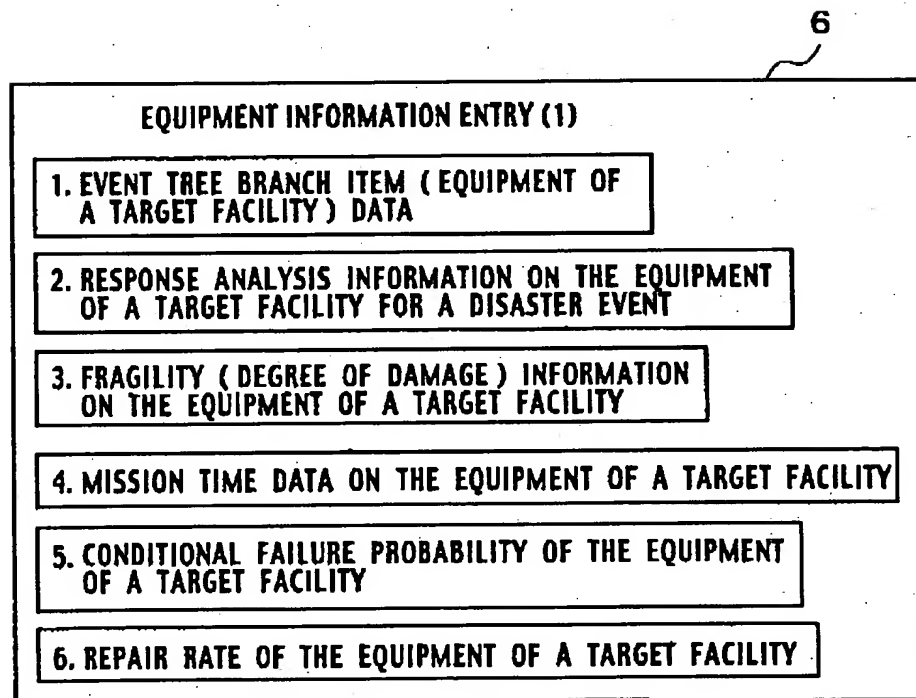
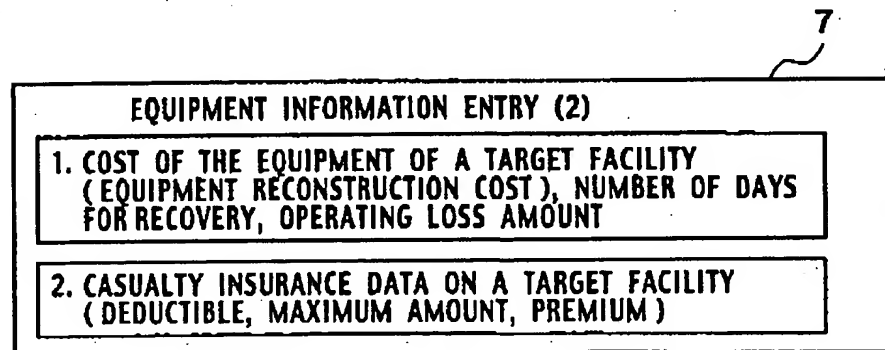


FIG. 2C



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FIG. 3A

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ALTERNATE EQUIPMENT INFORMATION ENTRY (1)

1. EVENT TREE BRANCH ITEM (ALTERNATE EQUIPMENT OF A TARGET FACILITY) DATA
2. RESPONSE ANALYSIS INFORMATION ON THE ALTERNATE EQUIPMENT OF A TARGET FACILITY FOR A DISASTER EVENT
3. FRAGILITY (DEGREE OF DAMAGE) INFORMATION ON THE ALTERNATE EQUIPMENT OF A TARGET FACILITY
4. MISSION TIME DATA ON THE ALTERNATE EQUIPMENT OF A TARGET FACILITY
5. CONDITIONAL FAILURE PROBABILITY OF THE ALTERNATE EQUIPMENT OF A TARGET FACILITY
6. REPAIR RATE OF THE ALTERNATE EQUIPMENT OF A TARGET FACILITY

FIG. 3B

9

ALTERNATE EQUIPMENT INFORMATION ENTRY (2)

1. COST OF THE ALTERNATE EQUIPMENT OF A TARGET FACILITY (EQUIPMENT RECONSTRUCTION COST), NUMBER OF DAYS FOR RECOVERY, OPERATING LOSS AMOUNT
2. CASUALTY INSURANCE DATA ON A TARGET FACILITY WHEN ALTERNATE EQUIPMENT IS INSTALLED (DEDUCTIBLE, MAXIMUM AMOUNT, PREMIUM)

FIG. 3C

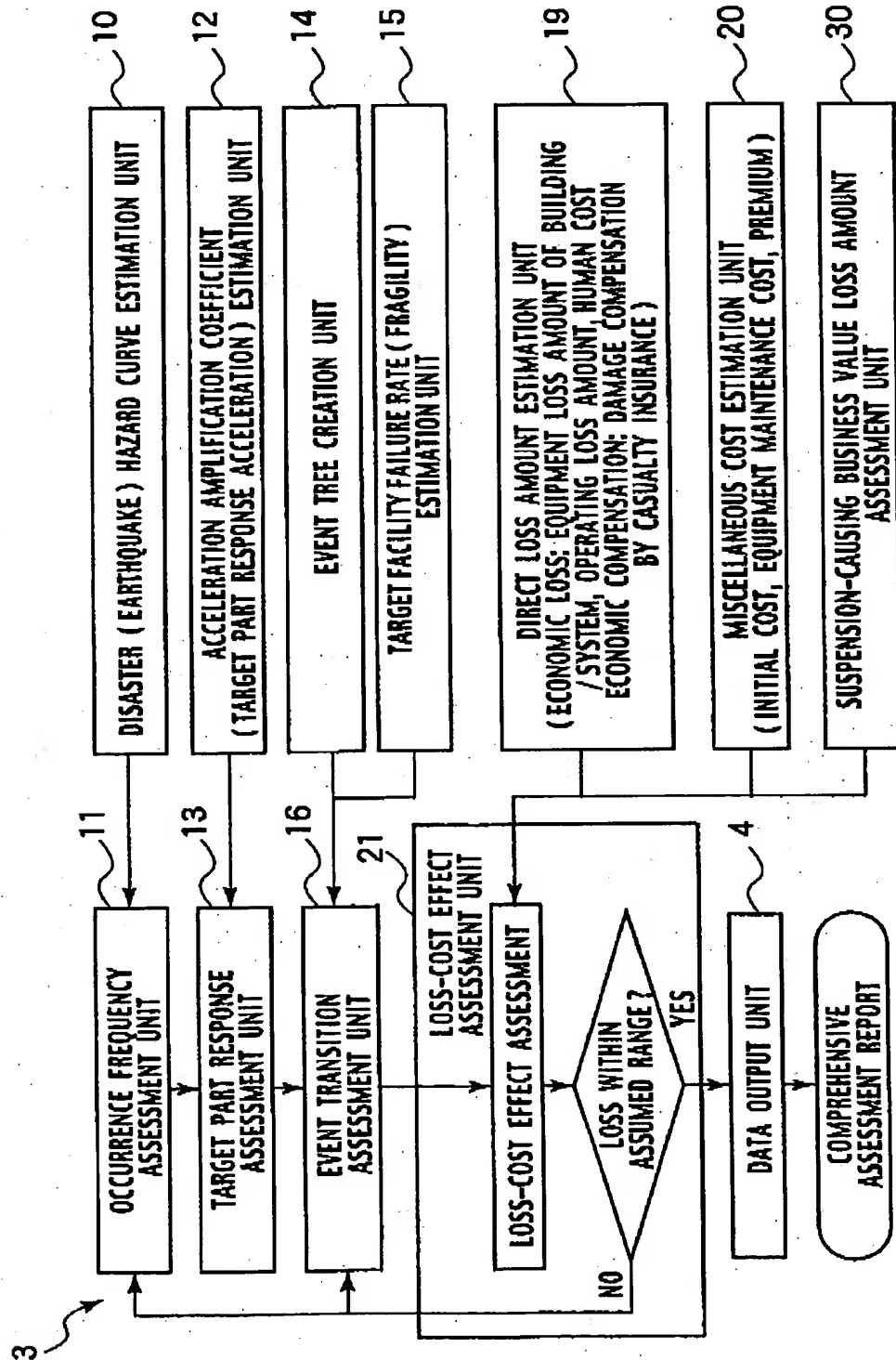
FINANCIAL MANAGEMENT INFORMATION ENTRY

1. INCOME STATEMENT DATA, CASH FLOW STATEMENT DATA
2. PROFIT AND LOSS PLANNING DATA, CASH FLOW PLANNING DATA, PROFIT AND LOSS / CASH FLOW VARIABILITY ESTIMATION DATA
3. BUSINESS VALUE LOSS CALCULATION PARAMETERS

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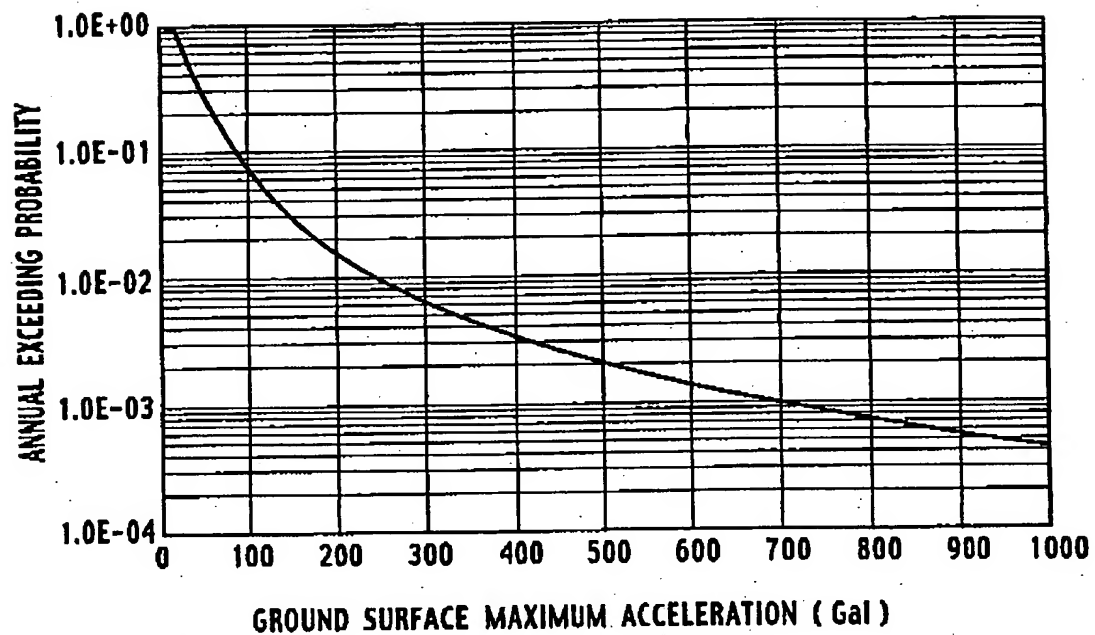
FIG. 4



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FIG. 5

EARTHQUAKE HAZARD CURVE OF TARGET DISTRICT (TOKYO)



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FIG. 6A

STRUCTURE TYPE	RC BUILDING
BUILDING SIZE	14-STORY
FLOOR SPACE	4000m ²

FIG. 6B

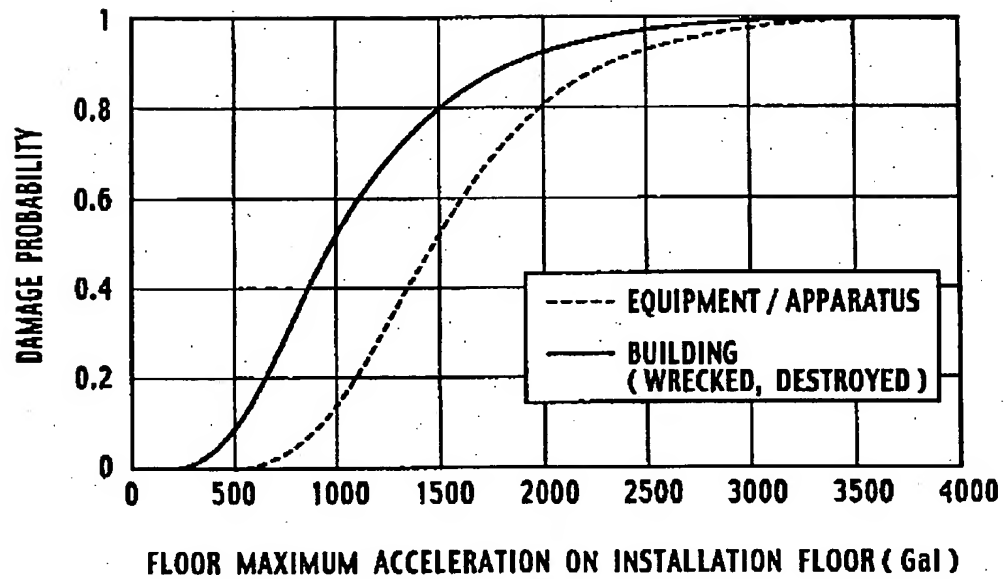
STORY	INSTALLED EQUIPMENT	ACCELERATION AMPLIFICATION COEFFICIENT		
		GROUND SURFACE MAXIMUM ACCELERATION (LOWER THAN 250 Gal)	GROUND SURFACE MAXIMUM ACCELERATION (250 Gal TO 400 Gal)	GROUND SURFACE MAXIMUM ACCELERATION (HIGHER THAN 400 Gal)
9-STORY	SERVER RACK EQUIPMENT	3.2	CALCULATED BY LINEAR INTERPOLATION	2.5
	AIR CONDITIONER EQUIPMENT			
	COMPUTER EQUIPMENT			
	LAN EQUIPMENT			
1-STORY	POWER EQUIPMENT	1.0	1.0	1.0
	EXTERNAL LINE EQUIPMENT			

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FIG. 7

EQUIPMENT / COMPONENTS		FRAGILITY CURVE PARAMETER (LOGARITHMIC NORMAL DISTRIBUTION)		
		QUAKE RESISTANCE STANDARD (Gal)	MEDIUM VALUE (Gal)	LOGARITHMIC STANDARD DEVIATION
BUILDING		980	980	0.5
SERVER RACK EQUIPMENT	RACK FOR DISK ARRAY 1	980	1470	0.36
	RACK FOR PRIMARY SERVER 1			
	RACK FOR STANDBY SERVER 1			
	RACK FOR DISK ARRAY 2			
	RACK FOR PRIMARY SERVER 2			
	RACK FOR STANDBY SERVER 2			
	RACK FOR DISK ARRAY 3			
	RACK FOR PRIMARY SERVER 3			
	RACK FOR STANDBY SERVER 3			
	RACK FOR DISK ARRAY 4			
	RACK FOR PRIMARY SERVER 4			
	RACK FOR STANDBY SERVER 4			
	RACK FOR SYSTEM 1 SERVER			
	RACK FOR SYSTEM 2 SEVER			
POWER EQUIPMENT		980	1470	0.36
AIR CONDITIONER EQUIPMENT	AIR CONDITIONER 1	980	1470	0.36
	AIR CONDITIONER 2			
COMPUTER EQUIPMENT	DISK ARRAY 1A	980	1470	0.36
	DISK ARRAY 1B			
	PRIMARY SERVER 1			
	STANDBY SERVER 1			
	DISK ARRAY 2A			
	DISK ARRAY 2B			
	PRIMARY SERVER 2			
	STANDBY SERVER 2			
	DISK ARRAY 3A			
	DISK ARRAY 3B			
	PRIMARY SERVER 3			
	STANDBY SERVER 3			
	DISK ARRAY 4A			
	DISK ARRAY 4B			
	PRIMARY SERVER 4			
	STANDBY SERVER 4			
	SYSTEM 1 SERVER			
	SYSTEM 2 SERVER			
EXTERNAL LINE EQUIPMENT	EXCHANGE DEDICATED LINE 1	980	1470	0.36
	EXCHANGE DEDICATED LINE 2			
	INVESTOR DEDICATED LINE			
	INTERNET			
	TELEPHONE			
LAN EQUIPMENT	BUSINESS LAN	980	1470	0.36
	LAN WORKING WITH OTHER SYSTEMS			

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FIG. 8



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FIG. 9

EQUIPMENT / COMPONENTS		RECONSTRUCTION COST DETAIL (MILLION YEN)	NO. OF UNITS	EQUIPMENT RECONSTRUCTION COST (MILLION YEN)	RECOVERY LEVEL	NO. OF SUSPENDED DAYS WHEN DAMAGED	OPERATING LOSS AMOUNT WHEN DAMAGED (MILLION YEN)
BUILDING		1000	1	1000		30	2400
SERVER RACK EQUIPMENT	RACK FOR DISK ARRAY 1	1.5	1	BUSINESS OFFICE MOVED		25	2000
	RACK FOR PRIMARY SERVER 1	1.4	1				
	RACK FOR STANDBY SERVER 1	1.4	1				
	RACK FOR DISK ARRAY 2	1.5	1				
	RACK FOR PRIMARY SERVER 2	1.4	1				
	RACK FOR STANDBY SERVER 2	1.4	1				
	RACK FOR DISK ARRAY 3	1.5	1	TEMPORARILY RECOVERED		7	560
	RACK FOR PRIMARY SERVER 3	1.4	1				
	RACK FOR STANDBY SERVER 3	1.4	1				
	RACK FOR DISK ARRAY 4	1.5	1				
	RACK FOR PRIMARY SERVER 4	1.4	1				
	RACK FOR STANDBY SERVER 4	1.4	1				
	RACK FOR SYSTEM 1 SERVER	1.4	1				
	RACK FOR SYSTEM 2 SERVER	1.4	1				
POWER EQUIPMENT		100	1	100		12	960
AIR CONDITIONER EQUIPMENT	AIR CONDITIONER 1	35	1	70		10	800
	AIR CONDITIONER 2	35	1				
COMPUTER EQUIPMENT	DISK ARRAY 1A	15	1	TEMPORARILY RECOVERED		7	560
	DISK ARRAY 1B	15	1				
	PRIMARY SERVER 1	60	1				
	STANDBY SERVER 1	60	1				
	DISK ARRAY 2A	15	1				
	DISK ARRAY 2B	15	1				
	PRIMARY SERVER 2	60	1	TEMPORARILY RECOVERED		7	560
	STANDBY SERVER 2	60	1				
	DISK ARRAY 3A	15	1				
	DISK ARRAY 3B	15	1				
	PRIMARY SERVER 3	60	1				
	STANDBY SERVER 3	60	1				
	DISK ARRAY 4A	15	1				
	DISK ARRAY 4B	15	1				
	PRIMARY SERVER 4	60	1				
	STANDBY SERVER 4	60	1				
	SYSTEM 1 SERVER	60	1	TEMPORARILY RECOVERED		7	560
	SYSTEM 2 SERVER	60	1				
EXTERNAL LINE EQUIPMENT	EXCHANGE DEDICATED LINE 1	0	1	0		5	400
	EXCHANGE DEDICATED LINE 2	0	1				
	INVESTOR DEDICATED LINE	0	1				
	INTERNET	0	1				
	TELEPHONE	0	1				
LAN EQUIPMENT	BUSINESS LAN	25	1	50		3	240
	LAN WORKING WITH OTHER SYSTEMS	25	1				

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TO FIG.10B

FIG. 10A

EVENT TREE OF MAXIMUM ACCELERATION OF 1000 (Gal)

DISASTER-CAUSING EVENT GENERATED	BUILDING	SERVER RACK EQUIPMENT	POWER EQUIPMENT	COMPUTER EQUIPMENT	AIR CONDITIONER EQUIPMENT	EXTERNAL LINE EQUIPMENT	LAN EQUIPMENT
4.92E-05							
	5.16E-00	1.00E+00	1.42E-01	1.00E+00	8.65E-01	2.31E-02	9.95E-01
	30	25	12	10	7	5	3
YEARLY OCCURRENCE PROBABILITY							
FUNCTION LOSS PROBABILITY							
NO. OF SUSPENSION DAYS							
							FUNCTION MAINTAINED
							FUNCTION MAINTAINED
							4.91E-03 DAMAGED
							9.95E-01 DAMAGED
							FUNCTION MAINTAINED
							9.77E-01 DAMAGED
							2.31E-02
							FUNCTION MAINTAINED
							1.35E-01 DAMAGED
							8.65E-01 DAMAGED
							FUNCTION MAINTAINED
							1.52E-08 DAMAGED
							8.58E-01 DAMAGED
							1.00E+00 DAMAGED
							1.42E-01
							FUNCTION MAINTAINED
							1.69E-06 DAMAGED
							4.84E-01 DAMAGED
							1.00E+00 DAMAGED
							5.16E-01
							DEDUCTIBLE (MILLION YEN)
							1.0
							MAXIMUM AMOUNT (MILLION YEN)
							500.0
							OPERATING LOSS INSURANCE

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FIG. 10B

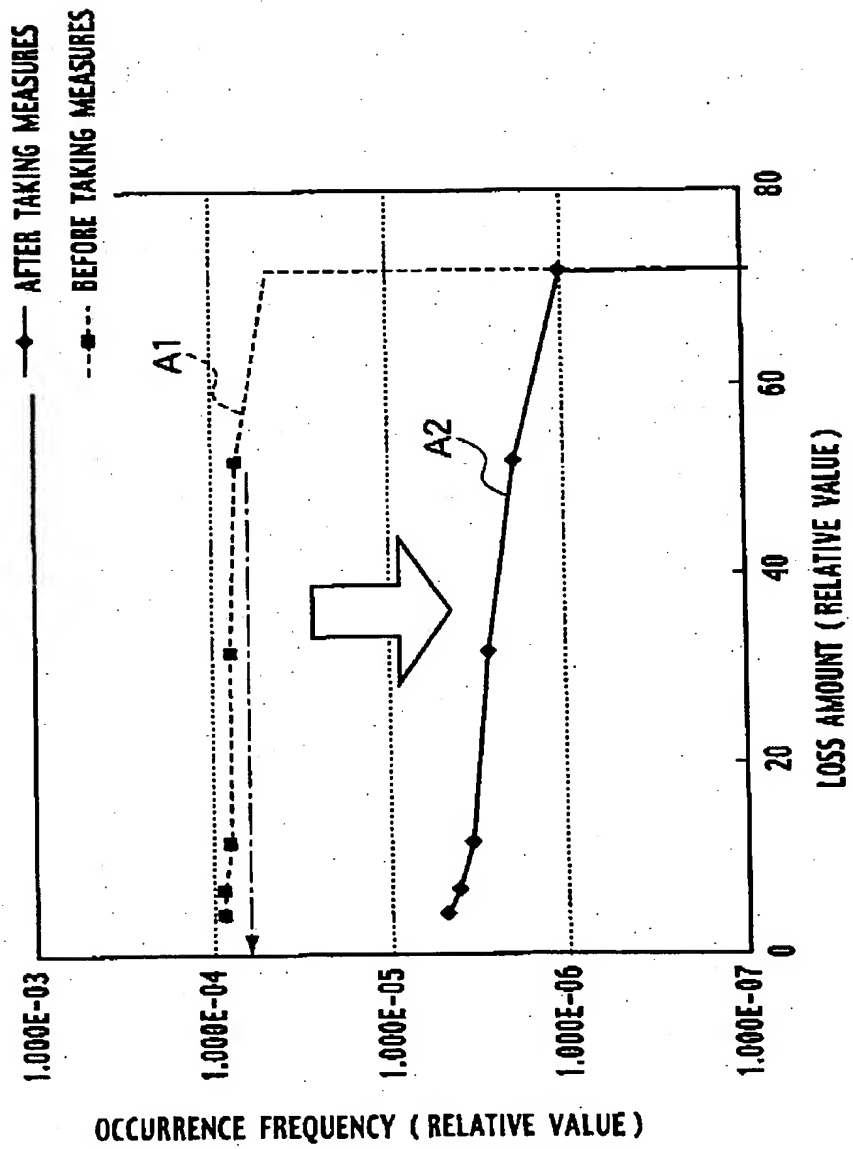
DAMAGE MODE	DAMAGE PROBABILITY	NO. OF SUSPENSION DAYS (DAYS)	WITHOUT CASUALTY INSURANCE		WITH CASUALTY INSURANCE	
			OPERATING LOSS AMOUNT (MILLION YEN)	BY-MODE OPERATING LOSS AMOUNT EXPECTED VALUE (MILLION YEN)	OPERATING LOSS AMOUNT (MILLION YEN)	BY-MODE OPERATING LOSS AMOUNT EXPECTED VALUE (MILLION YEN)
⑧	6.91E-18	0	0	0.0	0.0	0.0
⑦	1.40E-15	3	240	0.0	1.0	0.0
⑥	3.37E-17	5	400	0.0	1.0	0.0
⑤	3.32E-17	7	560	0.0	60.0	0.0
④	7.02E-07	10	800	0.0	300.0	0.0
③	1.16E-07	12	960	0.0	460.0	0.0
②	4.84E-01	25	2000	967.8	1500.0	725.8
①	5.16E-01	30	2400	1238.7	1900.0	980.6

BUSINESS LOSS	
LOSS AMOUNT EXPECTED VALUE WITHOUT INSURANCE (MILLION YEN)	2206.4
LOSS AMOUNT EXPECTED VALUE WITH INSURANCE (MILLION YEN)	1706.4

FROM FIG.10A

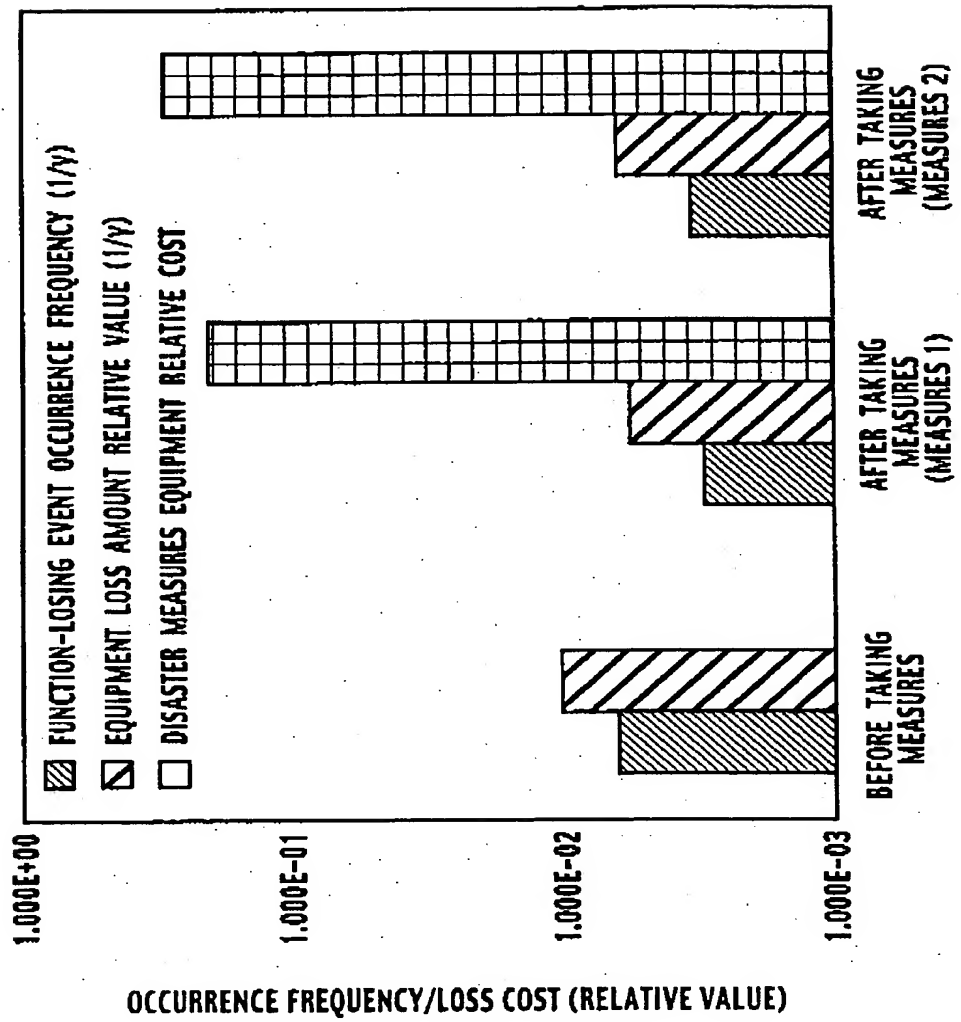
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FIG. 11



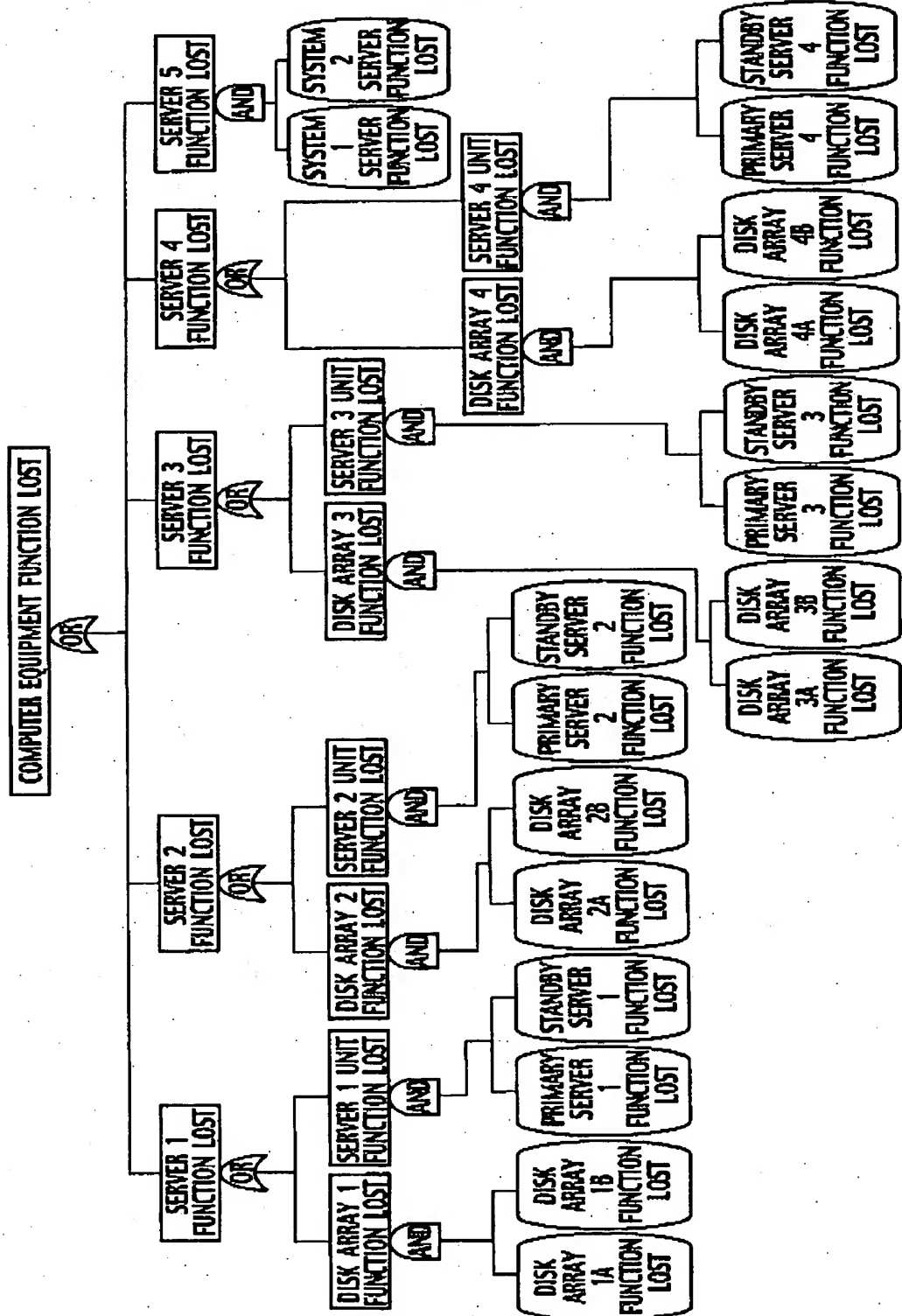
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FIG. 12



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FIG. 13



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FIG. 14A

DISASTER MEASURES EQUIPMENT COST (MILLION YEN)										WITHOUT CASUALTY INSURANCE		WITH CASUALTY INSURANCE	
CAUSING EVENT GENERA-TED	BUILDING	SERVER RACK EQUIP-MENT	POWER EQUIP-MENT	COMPUTER EQUIPMENT	AIR CONDITIONER EQUIPMENT	EXTERNAL LINE EQUIPMENT	LAN EQUIPMENT	DAMAGE PROBABILITY		EQUIPMENT LOSS AMOUNT (MILLION YEN)	BY-HOME EQUIPMENT LOSS AMOUNT (MILLION YEN)	EQUIPMENT LOSS AMOUNT (MILLION YEN)	BY-HOME EQUIPMENT LOSS AMOUNT (MILLION YEN)
YEARLY OCCURRENCE PROBABILITY	4.92E-05												
AVERAGE DAMAGE PROBABILITY	5.16E-01	9.30E-01	1.42E-01	9.30E-01	9.30E-01	1.42E-01	9.30E-01						
EQUIPMENT COST (MILLION YEN)	1000	20	100	720	70	0	50						
DISASTER MEASURES EQUIPMENT COST (MILLION YEN)	0	0	0	0	0	0	0						
										8.59E-06	0	0.0	0
										NOT DAMAGED	7.01E-02		
										DAMAGED	1.14E-04	50	0.0
										NOT DAMAGED	9.30E-01		0.5
										NOT DAMAGED	1.43E-06	0	0.0
										DAMAGED	7.01E-02		0
										NOT DAMAGED	1.89E-05	50	0.0
										DAMAGED	1.42E-01		0.5
										NOT DAMAGED	9.30E-01		0.0
										NOT DAMAGED	1.14E-04	70	0.0
										DAMAGED	7.01E-02		0.5
										NOT DAMAGED	1.51E-03	120	0.0
										DAMAGED	9.30E-01		0.5

TO FIG. 14B

FROM FIG. 14A

TO FIG. 14C

FROM FIG. 14B

TO FIG. 14D

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FIG.14D

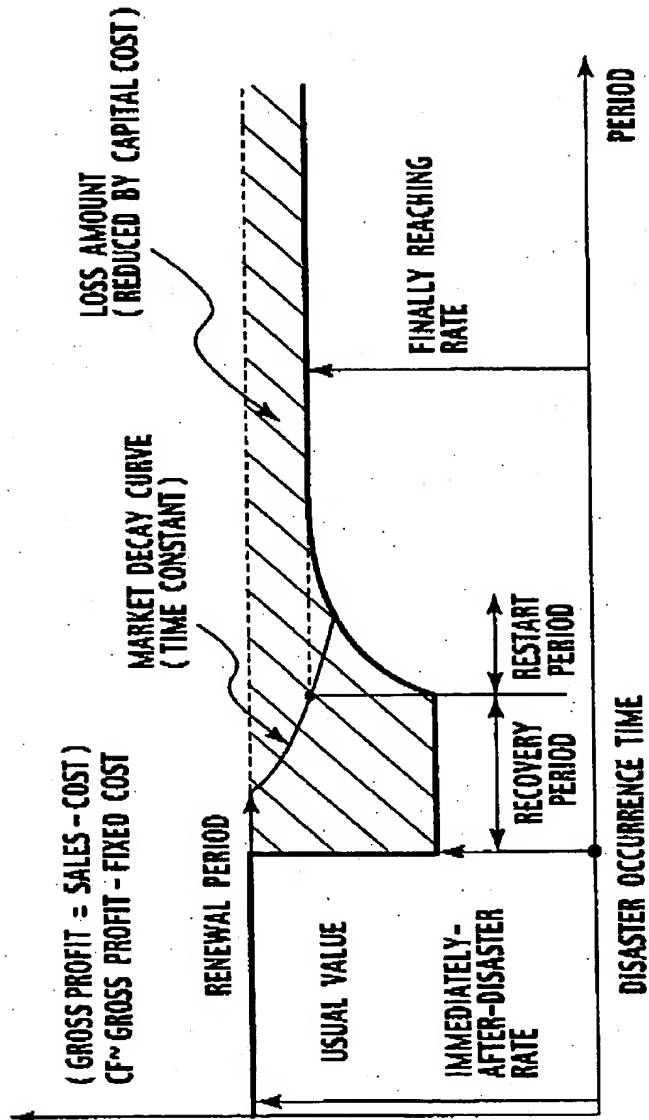
FROM FIG.14C

DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	2.70E-04	840	0.2	340	0.1
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	3.58E-03	890	3.2	590	2.1
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	4.48E-05	840	0.0	540	0.0
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	5.94E-04	890	0.5	590	0.4
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	3.58E-03	910	3.3	610	2.2
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	4.73E-02	960	45.6	660	31.3
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	5.94E-04	910	0.5	610	0.4
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	7.88E-03	960	7.6	660	5.2
DAMAGED 9.30E-01	NOT DAMAGED 7.01E-02 DAMAGED 8.59E-01	NOT DAMAGED 7.01E-02 DAMAGED 9.30E-01	5.16E-01	1960	1011.6	1660	856.8

DISASTER MEASURES EQUIPMENT COST (MILLION YEN)	0	DEDUCTIBLE (MILLION YEN)	MAXIMUM AMOUNT (MILLION YEN)	EQUIPMENT LOSS INSURANCE	EQUIP- MENT LOSS
EQUIPMENT LOSS INSURANCE	0.5	300.0	LOSS AMOUNT EXPECTED VALUE WITHOUT INSURANCE (MILLION YEN)	1428.2	1428.2
EQUIPMENT LOSS INSURANCE	0.5	300.0	LOSS AMOUNT EXPECTED VALUE WITH INSURANCE (MILLION YEN)	1128.6	1128.6

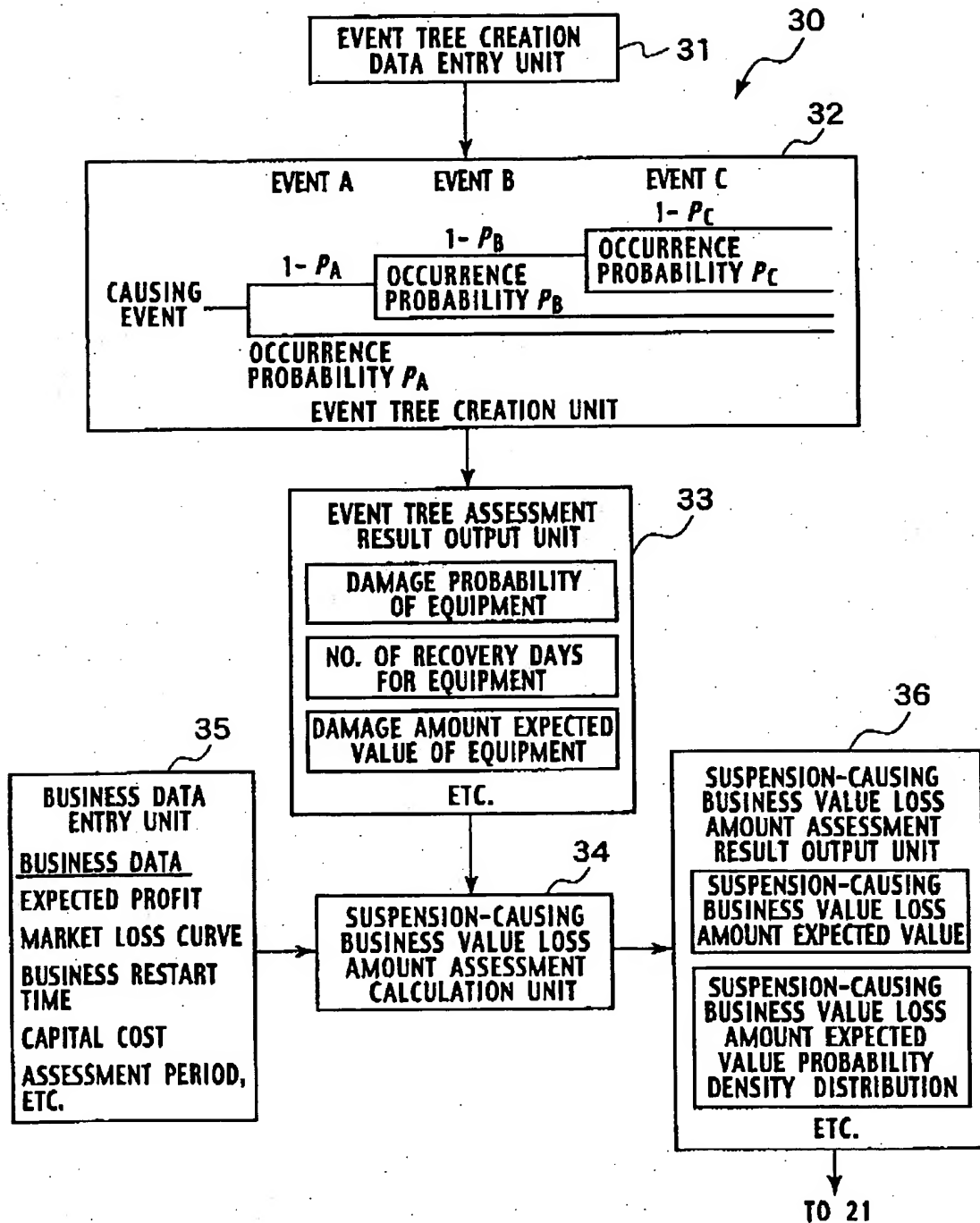
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FIG. 15



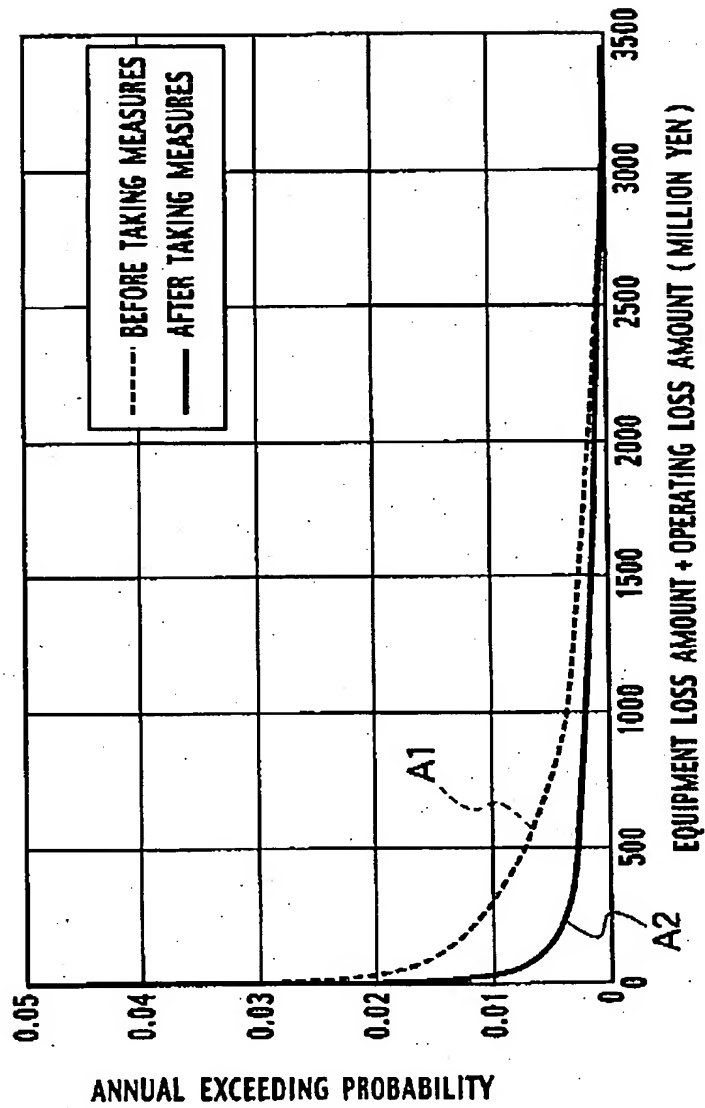
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FIG. 16



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FIG. 17



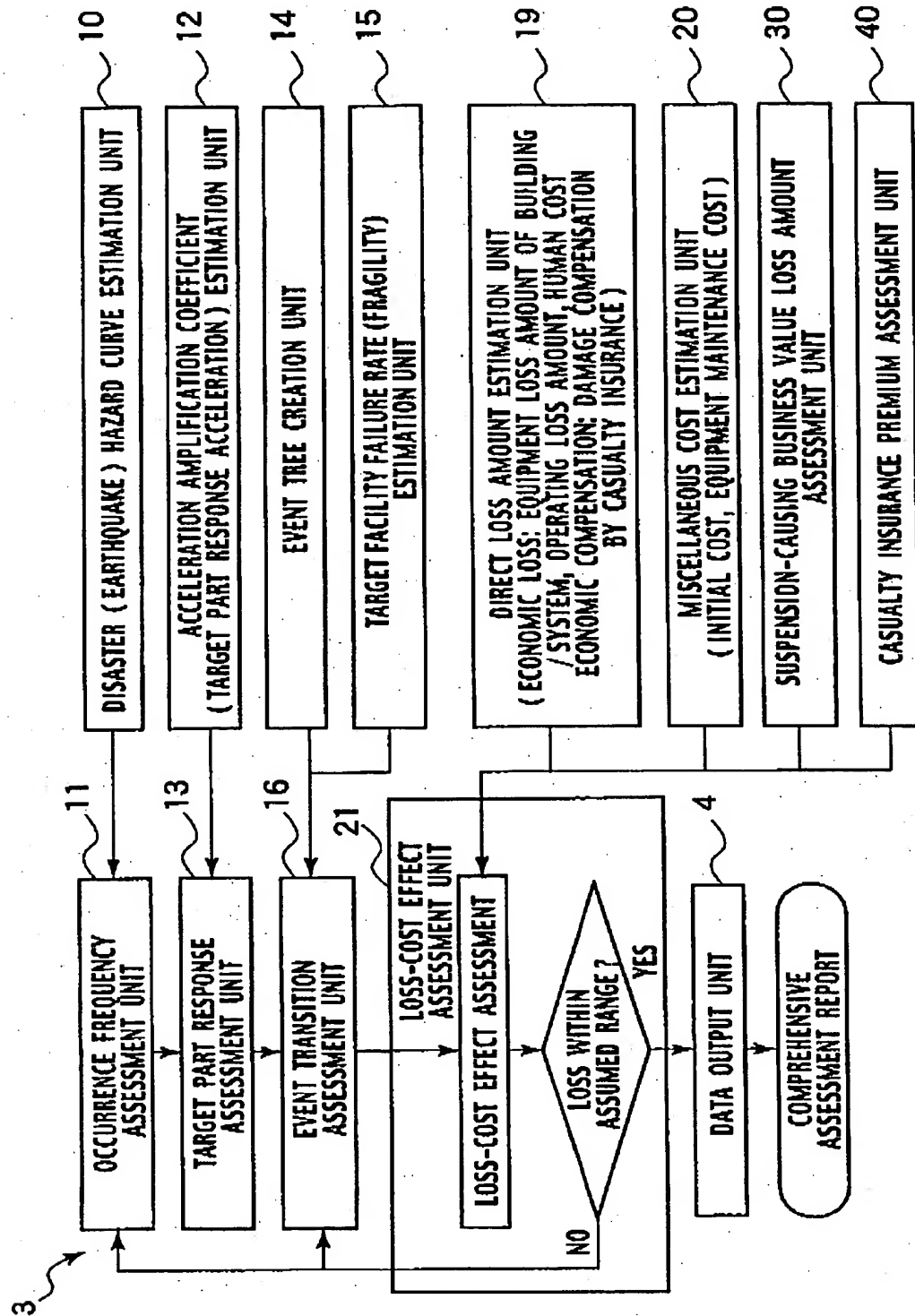
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FIG. 18

ITEM	COST OF DISASTER MEASURES (MILLION YEN)	YEARLY PREMIUM OF CASUALTY INSURANCE (MILLION / YEAR)	YEARLY DIRECT LOSS AMOUNT EXPECTED VALUE (MILLION / YEAR)	BUSINESS VALUE LOSS AMOUNT EXPECTED VALUES (MILLION YEN)
BEFORE TAKING MEASURES	0	0.23	11.8	9076
AFTER TAKING MEASURES	20	0.23	5.2	3651

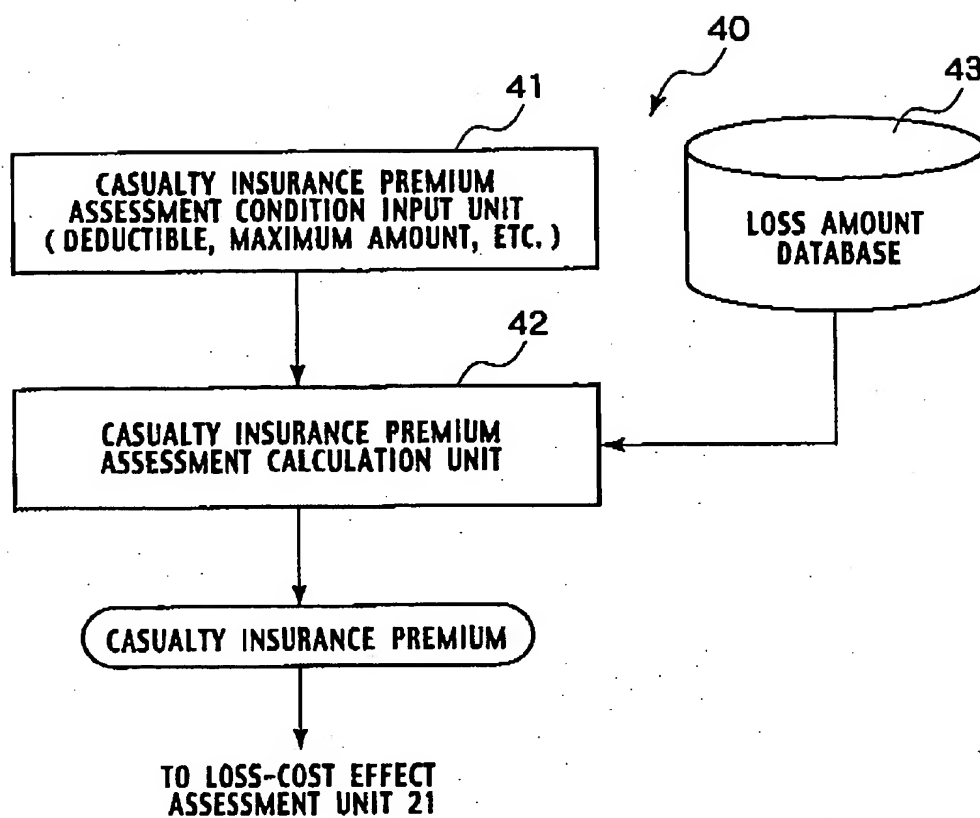
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FIG. 19



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FIG. 20



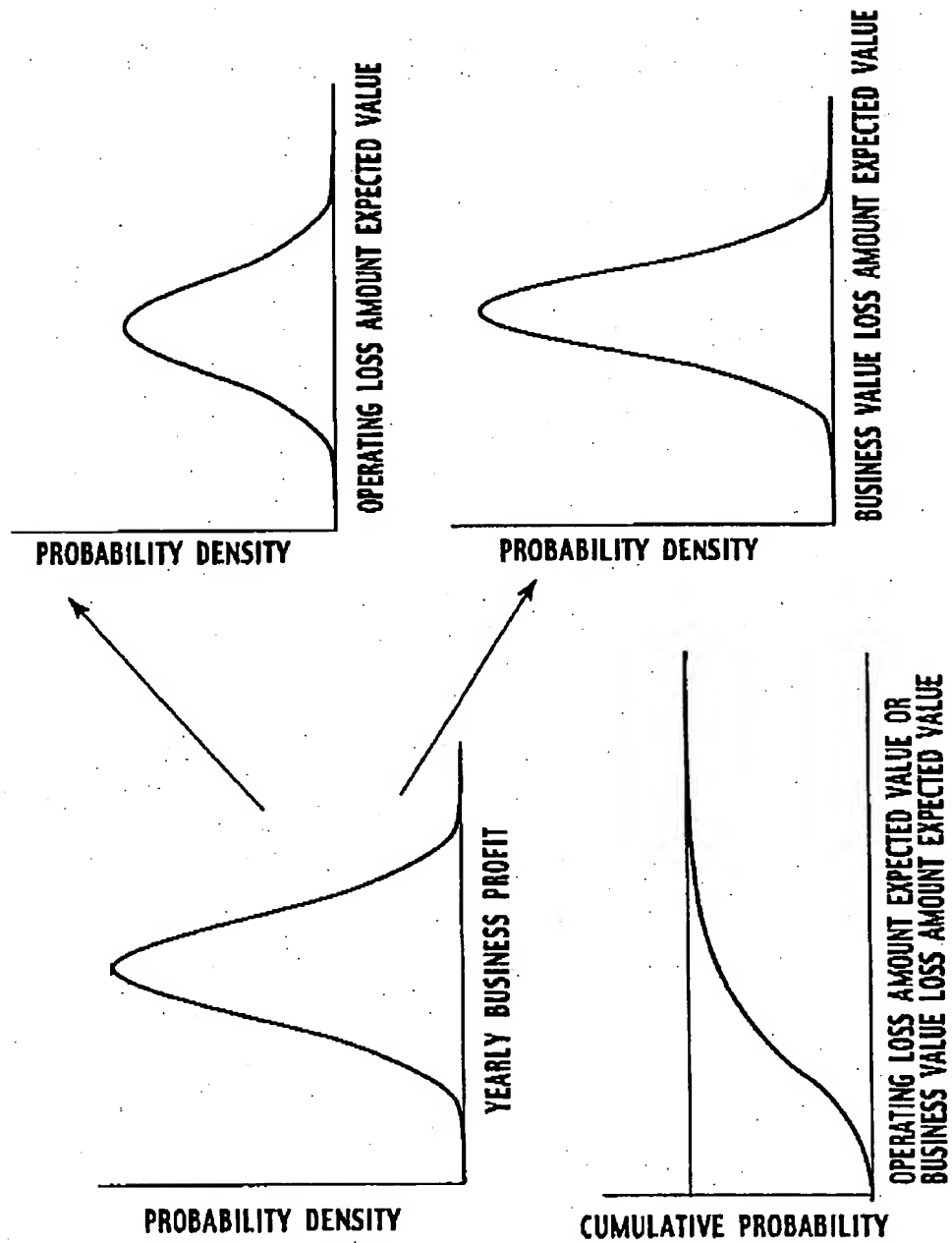
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FIG. 21

ITEM	COST OF DISASTER MEASURES (MILLION YEN)	YEARLY PREMIUM OF CASUALTY INSURANCE (MILLION / YEAR)	YEARLY DIRECT LOSS AMOUNT EXPECTED VALUE (MILLION / YEAR)	BUSINESS VALUE LOSS AMOUNT EXPECTED VALUES (MILLION YEN)
BEFORE TAKING MEASURES	0	0.23	11.8	9076
AFTER TAKING MEASURES	20	0.14	5.2	3651

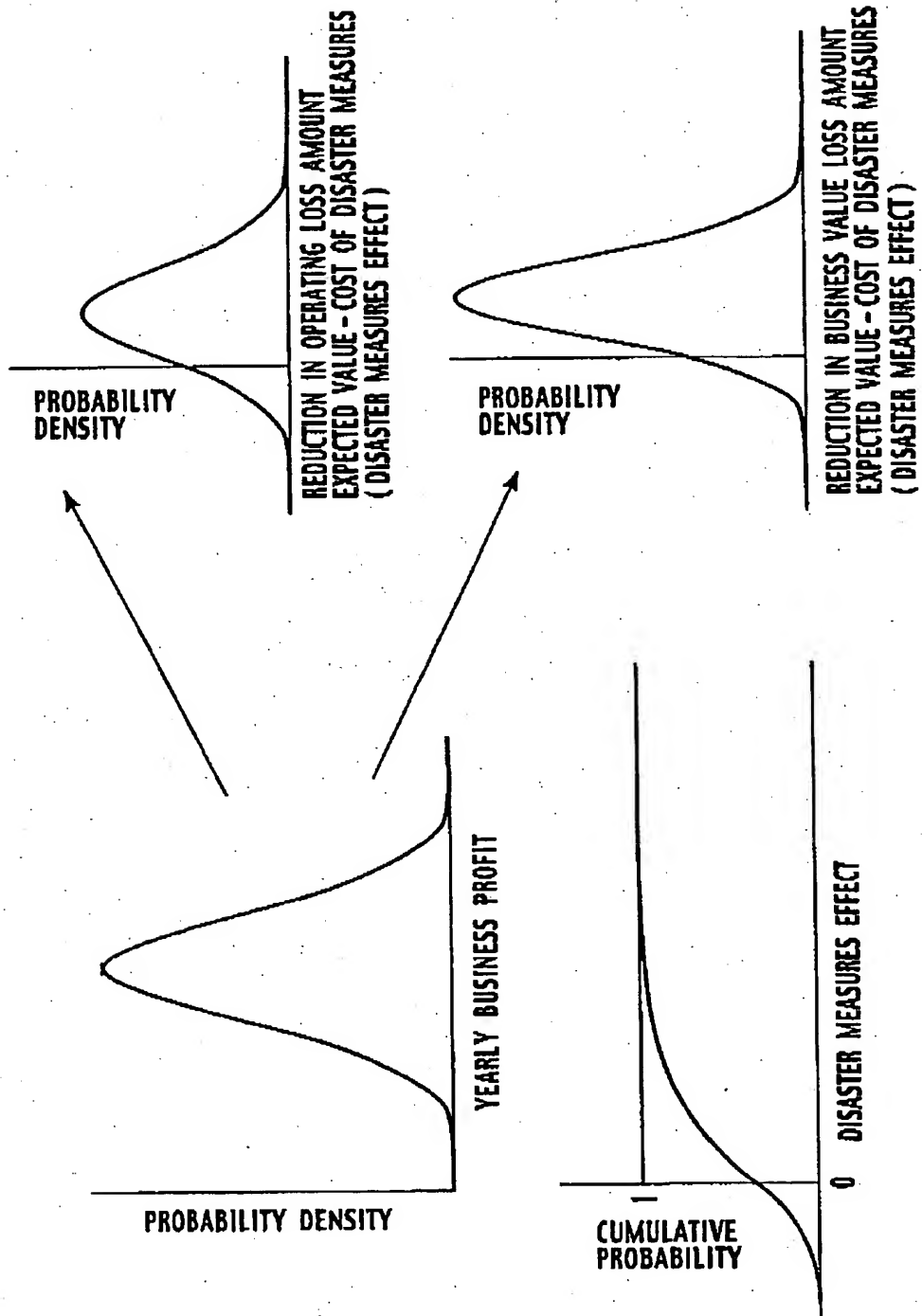
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FIG. 22



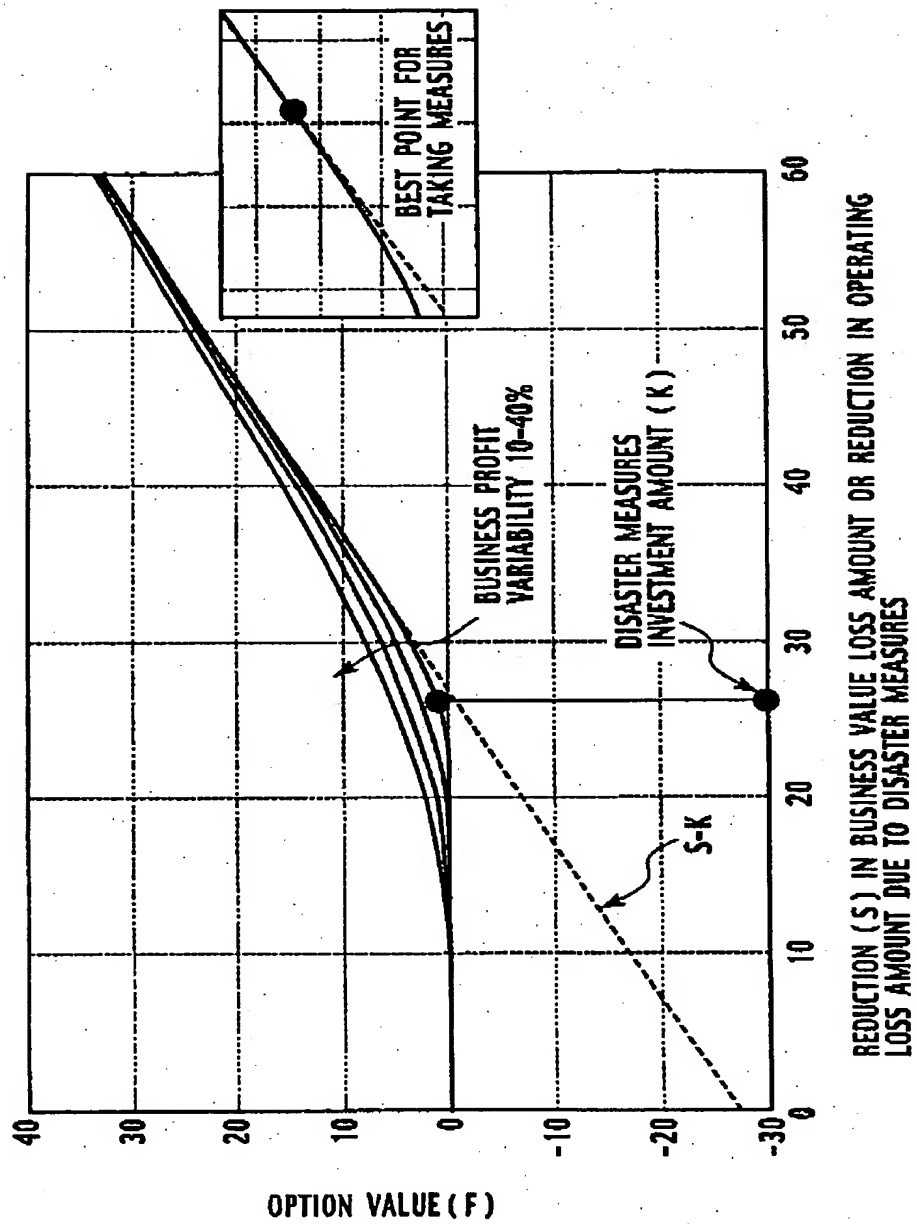
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FIG. 23



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FIG. 24



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FIG. 25

